

IMAGE DISPLAY DEVICE, PIXEL DRIVE METHOD, AND SCAN LINE DRIVE CIRCUIT

Abstract

To supply selection signals to multiplexed pixels efficiently. For a period from time t_0 to time t_2 , first, during a period from time t_0 to time t_1 , a pixel electrode A11 is driven by selecting scan lines G_{n+1} and G_{n+2} , and next, during a period from time t_1 to time t_2 , a pixel electrode B11 is driven by selecting only the scan line G_{n+1} . Moreover, during the period from time t_1 to time t_2 , scan lines G_{n+3} and G_{n+4} are also selected, and thus a pixel electrode A12 is driven. After time t_2 , at least one of the scan lines G_{n+3} and G_{n+4} is not selected before the pixel electrode A12 is driven by selecting both of the scan lines G_{n+3} and G_{n+4} during a period from time t_4 to time t_5 . Accordingly, the pixel electrode A12 can be preliminarily charged during the period from time t_1 to time t_2 and can maintain a potential preliminarily applied thereto until the pixel electrode A12 is driven during the period from time t_4 to time t_5 .